IN THE CLAIMS

Claims 1-40 (Canceled)

41. (Currently Amended) A catalytic composition, comprising a beta zeolite, cobalt, a metal of group VIB and optionally one or more oxides as a carrier wherein said catalyst has a surface area of ≥ 380 m²/g and a pore volume ≥ 1.10 cm³/g A catalytic composition having a surface area = 380 m²/g and a pore volume = 1.10 cm³/g consisting of:

one or more oxides as a carrier and

a catalyst consisting of a beta zeolite, cobalt, a metal of Group VI B wherein said zeolite is present in a quantity ranging from 70 to 90% by weight, the weight percentage of cobalt varies from 1 to 10% with respect to the total weight of the catalyst, the weight percentage of the metal of Group VI B varies from 4 to 20% with respect to the total weight of the catalytic composition, and wherein cobalt and the metal of Group VI B are present in a molar ratio not greater than 2.

- 42. (Previously Presented) The catalytic composition according to Claim 41, wherein the beta zeolite comprises cationic sites that are occupied by hydrogen ions.
- 43. (Previously Presented) The catalytic composition according to Claim 42, wherein at least 80% of the cationic sites are occupied by hydrogen ions.
 - 44. (Canceled)
- 45. (Previously Presented) The catalytic composition according to Claim 41, wherein said zeolite is present in a quantity ranging from 5 to 30% by weight with respect to the total weight of the catalyst.
- 46. (Previously Presented) The catalytic composition according to Claim 41, wherein the metal of group VIB is molybdenum.
 - 47. (Canceled)

- 48. (Previously Presented) The catalytic composition according to Claim 41, wherein cobalt is present in a quantity ranging from 2 to 6% by weight with respect to the total weight of the catalyst.
 - 49. (Canceled)
- 50. (Previously Presented) The catalytic composition according to Claim 41, wherein the metal of group VIB is present in a quantity ranging from 7 to 13% by weight with respect to the total weight of the catalyst.
 - 51. (Canceled)
- 52. (Previously Presented) The catalytic composition according to Claim 41, wherein cobalt and the metal of group VIB are present in a molar ratio no greater than 1.
- 53. (Previously Presented) The catalytic composition according to Claim 41, wherein the oxide comprises an element Z selected from the group consisting of silicon, aluminum, titanium, zirconium, and combinations thereof.
- 54. (Previously Presented) The catalytic composition according to Claim 41, wherein the oxide is alumina or alumina mixed with an oxide selected from the group consisting of silica and zirconia.
 - 55-56. (Canceled)
- 57. (Previously Presented) A process for the preparation of a catalytic composition, wherein the composition comprises a beta zeolite, a metal of group VIB, cobalt, and one or more oxides as a carrier, comprising:
- a) preparing an alcoholic dispersion comprising a soluble salt of cobalt, a beta zeolite, and one or more organic compounds capable of generating the supporting oxide or oxides;
- b) preparing an aqueous solution comprising a soluble salt of the metal of group VIB, and optionally, tetraalkylammonium hydroxide having the formula R_4NOH ;

- c) mixing the alcoholic dispersion and the aqueous dispersion to obtain a gel;
- d) aging the gel at a temperature ranging from 10 to 40°C;
- e) drying the gel; and
- f) calcinating the gel.
- 58. (Previously Presented) The process according to Claim 57, wherein the salt of cobalt is nitrate.
- 59. (Previously Presented) The process according to Claim 57, wherein the organic compound capable of generating the oxide is the corresponding alkoxide, wherein substituents of the oxide have the formula (R'O)- wherein R' is an alkyl containing from 2 to 6 carbon atoms.
- 60. (Previously Presented) The process according to Claim 59, wherein the alkoxide comprises an element Z selected from the group consisting of silicon, aluminum, titanium, zirconium, and mixtures thereof.
- 61. (Previously Presented) The process according to Claim 59, wherein a trialkoxide having the formula (R'O)₃Al is used, wherein R' is isopropyl or sec-butyl.
- 62. (Previously Presented) The process according to Claim 59, wherein a trialkoxide having the formula (R'O)₄Si is used, wherein R' is ethyl.
- 63. (Previously Presented) The process according to Claim 59, wherein a trialkoxide having the formula (R'O)₄Zr is used, wherein R' is isopropyl.
- 64. (Previously Presented) The process according to Claim 57, wherein the soluble salt of the metal of group VIB is an ammonium salt.
- 65. (Previously Presented) The process according to Claim 57, wherein the tetraalkylammonium hydroxide has the formula R₄NOH, wherein R is an alkyl group containing from 2 to 7 carbon atoms.

- 66. (Previously Presented) A process for the preparation of a catalytic composition, wherein the composition comprises a beta zeolite, a metal of group VIB, cobalt, and one or more oxides as a carrier, comprising:
- a) preparing an alcoholic dispersion comprising a beta zeolite and one or more organic compounds capable of generating the supporting oxide or oxides;
- b) preparing an aqueous solution comprising tetraalkylammonium hydroxide having the formula R_4NOH ;
 - c) mixing the alcoholic dispersion and the aqueous solution to obtain a gel;
 - d) aging the gel at a temperature ranging from 10 to 40°C;
 - e) drying the gel;
 - f) calcinating the gel; and
- g) impregnating the calcined product with a solution comprising a salt of a metal of group VIB, drying the impregnated calcined product, calcinating the impregnated calcined product, and impregnating the product with a solution of a salt of cobalt, drying the resultant product, and calcinating the resultant product.
- 67. (Previously Presented) A process for the preparation of a catalytic composition, wherein the catalytic composition comprises a beta zeolite, a metal of group VIB, cobalt, and one or more oxides, comprising:
- a) preparing an alcoholic dispersion comprising a soluble salt of cobalt and one or more organic compounds capable of generating the supporting oxide or oxides;
- b) preparing an aqueous solution comprising a soluble salt of the metal of group VIB, and optionally, tetraalkylammonium hydroxide having the formula R₄NOH;
 - c) mixing the alcoholic dispersion and the aqueous dispersion to obtain a gel;
 - d) aging the gel at a temperature ranging from 10 to 40°C;

- e) drying the gel;
- f) mechanical mixing of the dried product with beta zeolite; and
- g) calcinating the mixture.
- 68. (Canceled)
- 69. (Previously Presented) The process of Claim 57, wherein the catalyst has a surface area of $\geq 380 \text{ m}^2/\text{g}$ and a pore volume $\geq 1.10 \text{ cm}^3/\text{g}$.
- 70. (Previously Presented) A process for the preparation of a catalytic composition, wherein the composition comprises a beta zeolite, a metal of group VIB, a metal of Group VIII, and one or more oxides as a carrier, comprising:
- a) preparing an alcoholic dispersion comprising a soluble salt of a metal of Group VIII, a beta zeolite, and one or more organic compounds capable of generating the supporting oxide or oxides;
- b) preparing an aqueous solution comprising a soluble salt of the metal of group VIB, and optionally, tetraalkylammonium hydroxide having the formula R₄NOH;
 - c) mixing the alcoholic dispersion and the aqueous dispersion to obtain a gel;
 - d) aging the gel at a temperature ranging from 10 to 40°C;
 - e) drying the gel; and
 - f) calcinating the gel.
- 71. (Previously Presented) The process according to Claim 70, wherein the salt of the metal of Group VIII is nitrate.
- 72. (Previously Presented) The process according to Claim 70, wherein the organic compound capable of generating the oxide is the corresponding alkoxide, wherein

substituents of the oxide have the formula (R'O)- wherein R' is an alkyl containing from 2 to 6 carbon atoms.

- 73. (Previously Presented) The process according to Claim 72, wherein the alkoxide comprises an element Z selected from the group consisting of silicon, aluminum, titanium, zirconium, and mixtures thereof.
- 74. (Previously Presented) The process according to Claim 72, wherein a trialkoxide having the formula (R'O)₃Al is used, wherein R' is isopropyl or sec-butyl.
- 75. (Previously Presented) The process according to Claim 72, wherein a trialkoxide having the formula (R'O)₄Si is used, wherein R' is ethyl.
- 76. (Previously Presented) The process according to Claim 72, wherein a trialkoxide having the formula (R'O)₄Zr is used, wherein R' is isopropyl.
- 77. (Previously Presented) The process according to Claim 70, wherein the soluble salt of the metal of group VIB is an ammonium salt.
- 78. (Previously Presented) The process according to Claim 70, wherein the tetraalkylammonium hydroxide has the formula R_4 NOH, wherein R is an alkyl group containing from 2 to 7 carbon atoms.
- 79. (Previously Presented) The process of Claim 70, wherein the catalyst has a surface area of $\geq 380 \text{ m}^2/\text{g}$ and a pore volume $\geq 1.10 \text{ cm}^3/\text{g}$.

- 80. (Previously Presented) The process of Claim 67, wherein the catalyst has a surface area of $\geq 380 \text{ m}^2/\text{g}$ and a pore volume $\geq 1.10 \text{ cm}^3/\text{g}$.
- 81. (Previously Presented) A process for the preparation of a catalytic composition, wherein the catalytic composition comprises a beta zeolite, a metal of group VIB, a metal of Group VIII, and one or more oxides, comprising:
- a) preparing an alcoholic dispersion comprising a soluble salt of the metal of Group VIII and one or more organic compounds capable of generating the supporting oxide or oxides;
- b) preparing an aqueous solution comprising a soluble salt of the metal of group VIB, and optionally, tetraalkylammonium hydroxide having the formula R₄NOH;
 - c) mixing the alcoholic dispersion and the aqueous dispersion to obtain a gel;
 - d) aging the gel at a temperature ranging from 10 to 40°C;
 - e) drying the gel;
 - f) mechanical mixing of the dried product with beta zeolite; and
 - g) calcinating the mixture.
- 82. (Previously Presented) The process of Claim 81, wherein the catalyst has a surface area of $\geq 380 \text{ m}^2/\text{g}$ and a pore volume $\geq 1.10 \text{ cm}^3/\text{g}$.
- 83. (New) The process of claim 66, wherein the catalyst has a surface area = 380 m²/g and a pore volume = 1.10 cm³/g.
- 84. (New) A process for the preparation of a catalytic composition, wherein the composition comprises a beta zeolite, a metal of group VIB, a metal of Group VIII, and one or more oxides as a carrier, comprising:

a) preparing an alcoholic dispersion comprising a beta zeolite and one or more organic compounds capable of generating the supporting oxide or oxides;

b) preparing an aqueous solution comprising tetraalkylammonium hydroxide having the formula R_4NOH ;

- c) mixing the alcoholic dispersion and the aqueous solution to obtain a gel;
- d) aging the gel at a temperature ranging from 10 to 40°C;
- e) drying the gel;
- f) calcinating the gel; and
- g) impregnating the calcined product with a solution comprising a salt of a metal of group VIB, drying the impregnated calcined product, calcinating the impregnated calcined product, and impregnating the product with a solution of a salt of a metal of Group VIII, drying the resultant product, and calcinating the resultant product.
- 85. (New) The process of claim 84, wherein the catalyst has a surface area = 380 m²/g and a pore volume = 1.10 cm³/g.
- 86. (New) A catalytic composition having a surface area = $380 \text{ m}^2/\text{g}$ and a pore volume = $1.10 \text{ cm}^3/\text{g}$ consisting of:

one or more oxides as a carrier and

a catalyst consisting of a beta zeolite, cobalt, a metal of Group VI B wherein said zeolite is present in a quantity ranging from 70 to 90% by weight, the weight percentage of cobalt varies from 1 to 10% with respect to the total weight of the catalyst, the weight percentage of the metal of Group VI B varies from 4 to 20% with respect to the total weight of the catalytic composition, and wherein cobalt and the metal of Group VI B are present in a molar ratio not greater than 2, prepared with a process consisting of the following steps:

a) an alcoholic dispersion is prepared, containing a soluble salt of cobalt, beta zeolite and one or more organic compounds capable of generating the supporting oxide or oxides;

b) an aqueous solution is prepared containing a soluble salt of the metal of group VI B and, optionally, tetrealkylammonium hydroxide having the formula R4NOH;

- c) the alcoholic dispersion and the aqueous dispersion are mixed and a gel is obtained;
 - d) ageing the gel at a temperature ranging from 10 to 40°C;
 - e) drying the gel; and
 - f) calcinating the gel.